

AUTHOR INDEX TO VOLUME 5

Abinante, M., see M.K. Veistinen	5 (1987) 373
Abis, S., F. Ledda and E. Evangelista, DSC investigation of high-temperature aging of an Al-Mg 10 at % alloy	5 (1987) 369
Abis, S. and G. Riontino, A resistivity study of 7012 Al-Zn-Mg alloy commercial tempers	5 (1987) 442
Adroja, D.T., see R. Prasad	5 (1987) 232
Aggarwal, I., see J.A. Freitas Jr.	5 (1987) 235
Ahmad, C.N., see B.L. Weiss	5 (1987) 193
Ainslie, B.J., S.P. Craig and S.T. Davey, The fabrication and optical properties of Nd ³⁺ in silica-based optical fibres	5 (1987) 143
Ajmera, P.K., see H.Y. Shin	5 (1987) 211
Akhtar, P., see S.A. Siddiqi	5 (1987) 475
Ali, M.H., see S.M. Patel	5 (1987) 350
Alliouat, M., L. Mazo, G. Desgardin and B. Raveau, Microwave sintering of lead-based perovskite ceramics for capacitors	5 (1987) 328
Ando, T., E.J. Lavernia and N.J. Grant, A TEM study of the microstructures of a modified 7075 and X2020 aluminum alloys produced by liquid dynamic compaction	5 (1986) 17
Appleton, B.R., see D. Fathy	5 (1987) 315
Aruna Kumari, I., see B.C. Venkata Reddy	5 (1987) 156
Avgerinos, N., see H. Neumann	5 (1987) 63
Badekas, Hel., see Chr. Panagopoulos	5 (1987) 307
Bartges, C. and E. Ryba, Macroscopic quasicrystals	5 (1987) 177
Basu, R.N. and H.S. Maiti, Effect of sintering time on the resistivity of semiconducting BaTiO ₃ ceramics	5 (1987) 99
Bertolotti, M., see N. Sparvieri	5 (1987) 449
Bhargava, A., see J.E. Shelby	5 (1987) 420
Bhargava, A., see M. Heuberger	5 (1987) 489
Bhargava, A., M. Heuberger and R.L. Snyder, Effects of atmosphere on Ba ₂ YCu ₃ O _x during processing	5 (1987) 495
Bhattacharya, R.S., Y.-F. Yu and A.K. Rai, Potentiodynamic polarization behavior of YBa ₂ Cu ₃ O _{7-x} superconductor	5 (1987) 429
Bokhonov, B., E. Ivanov and V. Boldyrev, A study of the electron-beam-induced decomposition of magnesium hydride single crystals	5 (1987) 218
Boldyrev, V., see B. Bokhonov	5 (1987) 218
Bose, D.N. and M. Holtz, Raman scattering studies of surface-modified CdTe	5 (1987) 291
Bowen, D.K., see T. Tjahjadi	5 (1987) 227
Brahme, U.S., see G. Kordas	5 (1987) 417
Budnick, J.I., see J. Tafto	5 (1986) 5
Bult, R.P., see W.M. Lau	5 (1987) 88
Busse, L., see J.A. Freitas Jr.	5 (1987) 235

Campet, G., see S. Joiret	5 (1987) 468
Carim, A.H. and R. Sinclair, High-resolution electron microscopy of structural features at the Si/SiO ₂ interface	5 (1987) 94
Carr, M., see I.K. Simonsen	5 (1987) 75
Celaya, L.E., see E. Rivera	5 (1987) 185
Cesari, E., see F.C. Lovey	5 (1987) 159
Chan, T.C., see W.M. Lau	5 (1987) 88
Chang, Y.S. and J.J. Chu, The structure identification of epitaxial Ru ₂ Si ₃ on (111) Si	5 (1987) 67
Chen, D., see D. Pang	5 (1987) 436
Chevrel, R., see M. Hirrien	5 (1987) 173
Chu, J.J., see Y.S. Chang	5 (1987) 67
Chu, W.K., see M.C. Ozturk	5 (1987) 311
Chu, X. and B.K. Tanner, Bragg case X-ray Moiré patterns observed in GaAlAs/GaAs laser structures	5 (1987) 153
Claverie, J., see S. Joiret	5 (1987) 468
Conde, A., see A. Criado	5 (1987) 182
Condrate Sr., R.A., see C.V. Edney	5 (1987) 463
Corah, N.L., see J.E. Shelby	5 (1987) 420
Craig, S.P., see B.J. Ainslie	5 (1987) 143
Crandall, W.B., see C.V. Edney	5 (1987) 463
Criado, A., M. Millán, A. Conde and R. Márquez, Calorimetric and X-ray characterization of the non-isothermal crystallization of the metallic glass Ni ₈₉ P ₁₁ C (wt.%)	5 (1987) 182
Cross, L.E., see Q. Li	5 (1986) 51
Cross, L.E., see J.M. Hayes	5 (1987) 396
Dallaire, S., see B. Malric	5 (1987) 246
Darlinski, A., see H.J. Hedbabny	5 (1987) 337
Davey, S.T., see B.J. Ainslie	5 (1987) 143
Deb, K.K., Pyroelectric characteristics of a hot-pressed lanthanum-doped PZT (PLZT (8/40/60))	5 (1987) 222
Desgardin, G., see M. Halmi	5 (1987) 103
Desgardin, G., see M. Alliouat	5 (1987) 328
Din, S. and M. Suleman, Effect of high-temperature annealing on the microhardness of silicon carbide crystals	5 (1987) 484
Ding, B., see D. Pang	5 (1987) 439
Dobrilla, P., The micro-environment of dislocations in undoped, semi-insulating GaAs	5 (1987) 126
Dongare, M.K., see A. Srivastava	5 (1987) 111
Drozdyk, L., see N.K. Kim	5 (1987) 387
Dubots, P., see M. Hirrien	5 (1987) 173
Edney, C.V., R.A. Condrate Sr., W.B. Crandall and M.E. Washburn, The infrared spectra of Al ₂ O ₃ -SiO ₂ glasses prepared by sol-gel processes	5 (1987) 463
Eger, D., see H. Shtrikman	5 (1987) 345
El-Assal, K., see B. Malric	5 (1987) 246
Evangelista, E., see S. Abis	5 (1987) 369
Fathy, D., O.W. Holland, B.R. Appleton and T.S. Stephenson, Characterization of ion implantation through thin Ti metal layers on Si	5 (1987) 315

Feng, J., see S. Wen	5 (1987) 425
Ferrari, A., see N. Sparvieri	5 (1987) 449
Fidler, J., see M.H. Ghandehari	5 (1987) 285
Fournier, C., see S. Mil'stein	5 (1987) 258
Fredriksson, H., On the mechanism of dendritic growth	5 (1987) 414
Fredriksson, H., On the mechanism of eutectic solidification	5 (1987) 457
Freitas Jr., J.A., U. Strom, L. Busse and I. Aggarwal, New aspects of photoluminescence studies of fluorozirconate glass fibers	5 (1987) 235
Friedmann, T.A., see N.K. Kim	5 (1987) 387
Friedmann, T.A., see G. Kordas	5 (1987) 417
Fujii, T., see S. Ozawa	5 (1987) 129
Fukuda, T., see S. Ozawa	5 (1987) 129
Geballe, T.H., see A.D. Kent	5 (1987) 57
Genevey, P., see M. Hirrien	5 (1987) 173
Gengenbach, T., H. Pagnia and N. Sotnik, Current-voltage characteristics of electro-formed discontinuous films observed in high vacuum	5 (1987) 215
Geoffroy, G.L., see J.M. Hayes	5 (1987) 396
Gesheva, K. and E. Vlakhov, Deposition and study of CVD-tantalum carbide thin films	5 (1987) 276
Ghandehari, M.H. and J. Fidler, Microstructural evidence for the magnetic surface hardening of Dy_2O_3 -doped $Nd_{15}Fe_{77}B_8$ magnets	5 (1987) 285
Giessen, B.C., see Y.Z. Lu	5 (1987) 380
Gilchrist, J.T., see T.R. Ogden	5 (1987) 84
Ginsberg, D.M., see N.K. Kim	5 (1987) 387
Ginsberg, D.M., see G. Kordas	5 (1987) 417
Glaeser, A.M., On the morphological stability of finite-length intergranular phases	5 (1987) 239
Glicksman, M.E., see N.B. Singh	5 (1987) 453
Gopalakrishnan, I.K., A.M. Umarji, J.V. Yakhmi, L.C. Gupta, R.M. Iyer and R. Vijayaraghavan, On the synthesis and superconducting properties of $La_{1.8}M_{0.2}CuO_4$ systems	5 (1987) 165
Graham, R.A., see I.K. Simonsen	5 (1987) 75
Grant, J.T., see P.T. Murray	5 (1987) 250
Grant, N.J., see T. Ando	5 (1986) 17
Grant, N.J., see M.K. Veistinen	5 (1987) 373
Griffis, D.P., see M.C. Ozturk	5 (1987) 311
Guilemany, J.M., see F.C. Lovey	5 (1987) 159
Gupta, C.K., see R. Prasad	5 (1987) 232
Gupta, L.C., see I.K. Gopalakrishnan	5 (1987) 165
Gururaja, T.R., see J.M. Hayes	5 (1987) 396
Gwilliam, R.M., see B.L. Weiss	5 (1987) 193
Halbritter, J., Remark on oxides as low-temperature nuclei of Nb-B1 and Nb-A15 compounds	5 (1987) 163
Halbritter, J., see H.J. Hedbabny	5 (1987) 337
Haldar, P., see Y.Z. Lu	5 (1987) 380
Halmi, M., G. Desgardin and B. Raveau, Low-temperature sintered lead tantalate-based ceramics of high dielectric constants	5 (1987) 103
Hatzikraniotis, E., see C. Julien	5 (1987) 134

Hayes, J.M., T.R. Gururaja, G.L. Geoffroy and L.E. Cross, Sol-gel processing of $0.91\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3-0.09\text{PbTiO}_3$: stabilization of the perovskite phase	5 (1987) 396
Hedbabny, H.J., A. Darlinski and J. Halbritter, On damage and nucleation in sputtering of MgO and NbN	5 (1987) 337
Herley, P.J., W. Jones, T.G. Sparrow and B.G. Williams, Plasmon spectra of light-metal hydrides	5 (1987) 333
Heuberger, M., A. Bhargava and R.L. Snyder, The reproducible production of pure superconducting $\text{Ba}_2\text{YCu}_3\text{O}_x$	5 (1987) 489
Heuberger, M., see A. Bhargava	5 (1987) 495
Hirata, K. and O. Oda, Lattice constants of $\text{Cd}_{1-x}\text{Zn}_x\text{Te}$ mixed compound semiconductor	5 (1986) 42
Hirrien, M., R. Chevrel, M. Sergent, P. Dubots and P. Genevey, Cold-powder-metallurgy-processed Chevrel phase superconducting wires. I. Prereacted PbMo_6S_8 powder with niobium-copper as sheath material	5 (1987) 173
Hoffmann, B., see J. Pennewiss	5 (1987) 121
Holland, O.W., see D. Fathy	5 (1987) 315
Holtz, M., see D.N. Bose	5 (1987) 291
Honig, E.P., see M.J. Keesman	5 (1987) 140
Horie, Y., see I.K. Simonsen	5 (1987) 75
Huang, X.S., see N.Y. Jin	5 (1987) 196
Ikeda, M., see S. Ozawa	5 (1987) 129
Ivanov, E., see B. Bokhonov	5 (1987) 218
Iverson, R.B. and R. Reif, Large spontaneous nucleation rate in implanted polycrystalline silicon films on SiO_2	5 (1987) 393
Iverson, R.B. and R. Reif, Depth dependence of nucleation in implanted polycrystalline silicon films on SiO_2	5 (1987) 460
Iyer, K.J.L., The influence of hydrogen on the austenite to martensite transformation in a ball-bearing steel	5 (1987) 405
Iyer, R.M., see I.K. Gopalakrishnan	5 (1987) 165
Jayaraman, A., see G.A. Kourouklis	5 (1987) 116
Jiang, L.-Q., see M.W. Ruckman	5 (1987) 147
Jiang, X., see Z. Yang	5 (1987) 171
Jiang, X., see H. Qi	5 (1987) 384
Jiménez-Garay, R., see E. Márquez	5 (1987) 296
Jiménez-Garay, R., see R.A. Ligero	5 (1987) 301
Jin, C., see T.L. Lin	5 (1987) 255
Jin, N.Y. and X.S. Huang, The effects of thermal annealing on the inhomogeneity across GaAs wafers	5 (1987) 196
Jin, N.Y., see T.L. Lin	5 (1987) 255
Joiret, S., G. Campet and J. Claverie, Photoelectrochemical behavior of LaCoO_3 ceramic and single crystal	5 (1987) 468
Jones, W., see P.J. Herley	5 (1987) 333
Joshi, N.V. and L. Mogollón, Detection of $3\text{D}^65\text{s} \rightarrow a^5\text{D}^4$ transition of Fe^{2+} in $\text{Cd}_{1-x}\text{Fe}_x\text{Te}$	5 (1987) 446
Julien, C. and E. Hatzikraniotis, Electrical properties of lithium intercalated InSe	5 (1987) 134
Keesman, M.J., P.H.G. Offermans and E.P. Honig, Silica gel formation followed by dynamic shear experiments	5 (1987) 140

Keller, S.W., K.J. Leary, A.M. Stacy and J.N. Michaels, The use of temperature programmed desorption to study the removal of oxygen from the $\text{YBa}_2\text{Cu}_3\text{O}_7$ superconductor	5 (1987) 357
Kent, A.D., B. Oh, T.H. Geballe and A.F. Marshall, Synthesis and properties of superconducting lanthanum sulfide films	5 (1987) 57
Kim, N.K., L. Drozdyk, D.A. Payne, T.A. Friedmann, W.H. Wright and D.M. Ginsberg, Preparation, crystallization and properties of rapidly solidified $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$	5 (1987) 387
Kissinger, W., see H. Neumann	5 (1987) 63
Kojima, S., see S. Ozawa	5 (1987) 129
Kordas, G., K. Wu, U.S. Brahme, T.A. Friedmann and D.M. Ginsberg, High-temperature ceramic superconductors derived from the sol-gel process	5 (1987) 417
Kourouklis, G.A., A. Jayaraman and L.G. van Uitert, Pressure dependence of the Raman-active modes in $\text{Bi}_4\text{Ti}_3\text{O}_{12}$	5 (1987) 116
Kumta, P.N., P.P. Phule and S.H. Risbud, Low-temperature wet chemical synthesis of amorphous indium sulfide powders	5 (1987) 401
Kunze, H.-D., see F. Petzoldt	5 (1987) 280
Kutty, T.R.N. and R. Vivekanandan, Preparation of CaTiO_3 fine powders by the hydro-thermal method	5 (1987) 79
Lau, W.M., T.C. Chan and R.P. Bult, The formation of surface arsenic oxide crystals on GaAs	5 (1987) 88
Lavernia, E.J., see T. Ando	5 (1986) 17
Lavernia, E.J., see M.K. Veistinen	5 (1987) 373
Leary, K.J., see S.W. Keller	5 (1987) 357
Ledda, F., see S. Abis	5 (1987) 369
Li, C., see S. Wen	5 (1987) 425
Li, C., see S. Wen	5 (1987) 425
Li, D., see S. Wen	5 (1987) 425
Li, L., see J. Zhou	5 (1987) 479
Li, Q., W.Y. Pan and L.E. Cross, Polarization reversal in PLZT 8/65/35 under hydrostatic pressures	5 (1986) 51
Ligero, R.A., J. Vázquez, P. Villares and R. Jiménez-Garay, Ge-As-Te glassy system. Atomic distribution models	5 (1987) 301
Lin, T.L., C. Jin and N.Y. Jin, Successive TEM observation of defects in Si-implanted GaAs	5 (1987) 255
Liu, B.-X., Prediction of metallic glass formation by ion mixing	5 (1987) 322
Lovey, F.C., E. Cesari, V. Torra and J.M. Guilemany, Acoustic emission and local changes in martensitic transformation	5 (1987) 159
Lu, B., see J. Zhou	5 (1987) 479
Lu, L., see S. Wen	5 (1987) 425
Lu, Y., see J. Zhou	5 (1987) 479
Lu, Y.Z., P. Haldar, R. Markiewicz, S. Sridhar and B.C. Giessen, Glassy $\text{Yb}_{0.17}\text{Ba}_{0.33}\text{Cu}_{0.50}$ alloy as precursor for the high- T_c oxide superconductor $\text{Yb}_1\text{Ba}_2\text{Cu}_3\text{O}_x$	5 (1987) 380
Ma, E., see X.-A. Zhao	5 (1987) 200
Mackett, P., see J. Thompson	5 (1987) 72
Maiti, H.S., see R.N. Basu	5 (1987) 99
Malik, S.K., see R. Prasad	5 (1987) 232
Malric, B., S. Dallaire and K. El-Assal, Crystal structure of plasma-sprayed PZT thick films	5 (1987) 246
Markiewicz, R., see Y.Z. Lu	5 (1987) 380

Márquez, E., P. Villares and R. Jiménez-Garay, Some considerations on electrical con-	
duction and the switching process in chalcogenide glasses	5 (1987) 296
Márquez, R., see A. Criado	5 (1987) 182
Marshall, A.F., see A.D. Kent	5 (1987) 57
Masuda-Jindo, K., Calculation of cleavage strength of bcc transition metals: effects of sol-	
ute hydrogen	5 (1986) 45
Masuda-Jindo, K., On the cleavage strength of grain boundaries in Ni_3Al : effect of im-	
purity segregation	5 (1987) 409
Mateen, A., see S.A. Siddiqi	5 (1987) 475
Matzke, Hj., see W.J. Weber	5 (1986) 9
Mazo, L., see M. Alliouat	5 (1987) 328
McCluskey, P.H., see J.E. Shelby	5 (1987) 420
McDevitt, N.T., see P.T. Murray	5 (1987) 250
Mescher, J.A., see P.T. Murray	5 (1987) 250
Michaels, J.N., see S.W. Keller	5 (1987) 357
Millán, M., see A. Criado	5 (1987) 182
Mil'stein, S. and C. Fournier, Low-pressure polishing of GaAs wafers	5 (1987) 258
Mitra, A., see A. Srivastava	5 (1987) 269
Mo, P., see J. Wu	5 (1986) 29
Mogollón, L., see N.V. Joshi	5 (1987) 446
Mohan, A., see R. Prasad	5 (1987) 232
Munibhadraiah, B., see B.C. Venkata Reddy	5 (1987) 156
Murray, P.T., J.D. Wolf, J.A. Mescher, J.T. Grant and N.T. McDevitt, Growth of yttria-	
stabilized cubic zirconia films on GaAs (100) by pulsed laser evaporation	5 (1987) 250
Namavar, F., see J. Tafto	5 (1986) 5
Neumann, H., W. Kissinger, R.D. Tomlinson and N. Avgerinos, Optical properties of iron-	
doped $CuInTe_2$	5 (1987) 63
Nicolet, M.-A., see X.-A. Zhao	5 (1987) 200
Oda, O., see K. Hirata	5 (1986) 42
Oesterreicher, H., Synthesis of $YBa_2Cu_3O_x$ under O_2 pressure and its superconductivity	5 (1987) 391
Offermans, P.H.G., see M.J. Keesman	5 (1987) 140
Ogden, T.R., A.D. Rathsam and J.T. Gilchrist, Thermal conductivity of thick anodic oxide	
coatings on aluminum	5 (1987) 84
Oh, B., see A.D. Kent	5 (1987) 57
Oron, M., see H. Shtrikman	5 (1987) 345
Ozawa, S., T. Yokotsuka, T. Fujii, T. Fukuda, S. Kojima and M. Ikeda, In-doped GaAs	
substrate assessment for thin film applications	5 (1987) 129
Ozturk, M.C., J.J. Wortman, W.K. Chu, G. Rozgonyi and D.P. Griffis, BF_2 ion implan-	
tation in silicon through surface oxides, behaviour of the fluorine with rapid thermal	
annealing	5 (1987) 311
Pagnia, H., see T. Gengenbach	5 (1987) 215
Pagnia, H., K. Schlemper and N. Sotnik, Studies of electroformed gold island film diodes	
under bias in a TEM	5 (1987) 260
Pan, W.Y., see Q. Li	5 (1986) 51
Panagopoulos, Chr. and Hel. Badekas, The influence of anodic TiO_2 films on the thermal	
oxidation of titanium	5 (1987) 307

Panagopoulos, Chr.N., Charge storage in anodic ZrO_2 films	5 (1986) 31
Pang, D., see Z. Yang	5 (1987) 171
Pang, D., see H. Qi	5 (1987) 384
Pang, D., Z. Yang, D. Chen, L. Wang and G. Qiao, Phase transitions and superconductivity of the $Y_1Ba_2Cu_3O_{9-x}$ compounds	5 (1987) 436
Pang, D., J. Wang, B. Ding, Q. Song and Z. Yang, Relationships between quenching rates and properties in amorphous alloys	5 (1987) 439
Pastor, R.C., Heavy metal fluoride glass (HMFG) equation of state	5 (1987) 289
Patel, B.H., see S.M. Patel	5 (1986) 35
Patel, S.M. and B.H. Patel, The electrical and optical properties of polycrystalline $AgInTe_2$ thin films	5 (1986) 35
Patel, S.M. and M.H. Ali, Growth of $ZnIn_2Te_4$ thin films	5 (1987) 350
Payne, D.A., see N.K. Kim	5 (1987) 387
Penco, E., see N. Sparvieri	5 (1987) 449
Pennewiss, J. and B. Hoffmann, Electrical conductivity of aluminium-doped TiO_2 ceramic after quenching	5 (1987) 121
Petzoldt, F., B. Scholz and H.-D. Kunze, Study of the mechanism of amorphization by mechanical alloying	5 (1987) 280
Phule, P.P., see P.N. Kumta	5 (1987) 401
Prasad, R., N.C. Soni, A. Mohan, C.K. Gupta, A.M. Umarji, D.T. Adroja and S.K. Malik, Superconductivity in the liquid-nitrogen temperature range in the Y - Ba - Cu - O system	5 (1987) 232
Provenzano, P.L. and W.B. White, Characterization of vacancy disorder in $SrNd_2S_4$ - Nd_2S_3 solid solutions by Raman spectroscopy	5 (1986) 1
Qi, H., see Z. Yang	5 (1987) 171
Qi, H., N. Zhu, D. Pang, X. Jiang, H. Yu, G. Su, Z. Yang, Y. Tian, K. Yang and G. Qiao, Effects of oxygen content on the lattice distortions and superconductivity in the Y - Ba - Cu - O system	5 (1987) 384
Qiao, G., see H. Qi	5 (1987) 384
Qiao, G., see D. Pang	5 (1987) 436
Qiu, C.X., see S.N. Qiu	5 (1987) 263
Qiu, S.N., C.X. Qiu and I. Shih, Investigation of heat-treated ZnO thin films	5 (1987) 263
Rai, A.K., see R.S. Bhattacharya	5 (1987) 429
Raizman, A., see H. Shtrikman	5 (1987) 345
Ramamurthy, V. and J. Subrahmanyam, Doped oxide gallium diffusion in silicon: a simple open tube technique	5 (1987) 365
Ramesh, K., P. Sivaprasad and Y.P. Reddy, Electronic spectrum of Cr^{3+} -doped potassium aluminium sulphate dodecahydrate	5 (1986) 39
Ramesh, K. and Y.P. Reddy, Optical absorption of manganese-doped $LiRbSO_4$	5 (1987) 189
Rathsam, A.D., see T.R. Ogden	5 (1987) 84
Raveau, B., see M. Halmi	5 (1987) 103
Raveau, B., see M. Alliouat	5 (1987) 328
Reddy, Y.P., see K. Ramesh	5 (1986) 39
Reif, R., see R.B. Iverson	5 (1987) 189
Reif, R., see R.B. Iverson	5 (1987) 393
Rincón, J.M., see E. Rivera	5 (1987) 460
	5 (1987) 185

Riontino, G., see S. Abis	5 (1987) 442
Risbud, S.H., see P.N. Kumta	5 (1987) 401
Rivera, E., L.E. Celaya and J.M. Rincón, Microstructural characterization of an opal glass in the $\text{Na}_2\text{O}-\text{CdO}-\text{SiO}_2$ system	5 (1987) 185
Rothman, S.J., see L.C. Smedskjaer	5 (1987) 499
Routbort, J.L., see L.C. Smedskjaer	5 (1987) 499
Rozgonyi, G., see M.C. Ozturk	5 (1987) 311
Ruckenstein, E., see N.L. Wu	5 (1987) 432
Ruckman, M.W., L.-Q. Jiang and M. Strongin, Photoemission study of a solid-state reaction at the Cu/Hf interface	5 (1987) 147
Ryba, E., see C. Bartges	5 (1987) 177
Sabatini, R.L., see J. Tafto	5 (1986) 5
Salik, J., Computer model of the growth of monolayer clusters	5 (1986) 54
Schlemper, K., see H. Pagnia	5 (1987) 260
Scholz, B., see F. Petzoldt	5 (1987) 280
Sargent, M., see M. Hirrien	5 (1987) 173
Scheckler, C., see J.E. Shelby	5 (1987) 420
Shelby, J.E., A. Bhargava, J.J. Simmins, N.L. Corah, P.H. McCluskey, C. Scheckler and R.L. Snyder, Atmospheric effects during thermal cycling of $\text{Ba}_2\text{YCu}_3\text{O}_{7\pm x}$ superconductors	5 (1987) 420
Shih, I., see S.N. Qiu	5 (1987) 263
Shin, H.Y. and P.K. Ajmera, Characterization of vacuum grown thin films of ZnSnP_2	5 (1987) 211
Shtrikman, H., A. Raizman, M. Oron and D. Eger, MOCVD growth of CdTe-ZnTe superlattices	5 (1987) 345
Sibilia, C., see N. Sparvieri	5 (1987) 449
Siddiqi, S.A., P. Akhtar and A. Mateen, Structural characterization of hot-pressed manganese aluminium spinel	5 (1987) 475
Simmins, J.J., see J.E. Shelby	5 (1987) 420
Simonsen, I.K., Y. Horie, R.A. Graham and M. Carr, Formation of amorphous nickel aluminides under shock-wave loading	5 (1987) 75
Sinclair, R., see A.H. Carim	5 (1987) 94
Singh, N.B. and M.E. Glicksman, Direct observations on solidification of acousto-optic and electro-optic materials	5 (1987) 453
Singh, P., see A. Srivastava	5 (1987) 269
Sivaprasad, P., see K. Ramesh	5 (1986) 39
Smedskjaer, L.C., S.J. Rothman and J.L. Routbort, Lattice defects in $\text{YBa}_2\text{Cu}_3\text{O}_{7(1-\delta)}$	5 (1987) 499
Smith, L.M., see J. Thompson	5 (1987) 72
Snyder, R.L., see J.E. Shelby	5 (1987) 420
Snyder, R.L., see M. Heuberger	5 (1987) 489
Snyder, R.L., see A. Bhargava	5 (1987) 495
Song, Q., see D. Pang	5 (1987) 439
Song, X., see S. Wen	5 (1987) 425
Soni, N.C., see R. Prasad	5 (1987) 232
Sotnik, N., see T. Gengenbach	5 (1987) 215
Sotnik, N., see H. Pagnia	5 (1987) 260
Sparrow, T.G., see P.J. Herley	5 (1987) 333

Sparvieri, N., E. Penco, C. Sibilia, M. Bertolotti, G. Suber and A. Ferrari, A laser interferometric method applied to thermal diffusivity measurements of ferrites	5 (1987) 449
Sridhar, S., see Y.Z. Lu	5 (1987) 380
Srivastava, A. and M.K. Dongare, Low-temperature preparation of tetragonal zirconia	5 (1987) 111
Srivastava, A., P. Singh and A. Mitra, Microstructural studies on ZnO-BaO ceramics	5 (1987) 269
Stacy, A.M., see S.W. Keller	5 (1987) 357
Stephenson, T.S., see D. Fathy	5 (1987) 315
Strom, U., see J.A. Freitas Jr.	5 (1987) 235
Strongin, M., see M.W. Ruckman	5 (1987) 147
Su, G., see Z. Yang	5 (1987) 171
Su, G., see H. Qi	5 (1987) 384
Suber, G., see N. Sparvieri	5 (1987) 449
Subrahmanyam, J., see V. Ramamurthy	5 (1987) 365
Suleman, M., see S. Din	5 (1987) 484
Tafto, J., R.L. Sabatini, J.I. Budnick and F. Namavar, Surface regions of amorphous Si and crystalline Al in an Al-implanted Si crystal	5 (1986) 5
Tanner, B.K., see X. Chu	5 (1987) 153
Thomas, S., Tensile impact strength of blends of polypropylene and ethylene-vinyl acetate copolymer	5 (1987) 360
Thompson, J., P. Mackett and L.M. Smith, The growth of CdHgTe using the interdiffused multilayer process at reduced temperatures	5 (1987) 72
Tian, Y., see H. Qi	5 (1987) 384
Tjahjadi, T. and D.K. Bowen, A method for improving digital image comparison in X-ray topographs	5 (1987) 227
Tomlinson, R.D., see H. Neumann	5 (1987) 63
Torra, V., see F.C. Lovey	5 (1987) 159
Umarji, A.M., see I.K. Gopalakrishnan	5 (1987) 165
Umarji, A.M., see R. Prasad	5 (1987) 232
Van Uitert, L.G., see G.A. Kourouklis	5 (1987) 116
Vázquez, J., see R.A. Ligero	5 (1987) 301
Veistinen, M.K., E.J. Lavernia, M. Abinante and N.J. Grant, Effects of geometry and position of the metal delivery tube on ultrasonic gas atomization	5 (1987) 373
Venkata Reddy, B.C., B. Munibhadrabai and I. Aruna Kumari, Electronic absorption spectrum of Mn ²⁺ ions doped in ammonium perchlorate single crystal	5 (1987) 156
Vijayaraghavan, R., see I.K. Gopalakrishnan	5 (1987) 165
Villares, P., see E. Márquez	5 (1987) 296
Villares, P., see R.A. Ligero	5 (1987) 301
Vivekanandan, R., see T.R.N. Kutty	5 (1987) 79
Vlakhov, E., see K. Gesheva	5 (1987) 276
Wang, G., see Y. Zou	5 (1987) 207
Wang, J., see D. Pang	5 (1987) 439
Wang, L., see D. Pang	5 (1987) 436
Washburn, M.E., see C.V. Edney	5 (1987) 463
Weber, W.J. and Hj. Matzke, Effects of radiation on microstructure and fracture properties in Ca ₂ Nd ₈ (SiO ₄) ₆ O ₂	5 (1986) 9

Weiss, B.L., C.N. Ahmad and R.M. Gwilliam, Annealing He^+ implanted optical waveguides in LiNbO_3 using an optical furnace	5 (1987) 193
Wen, S., J. Feng, X. Song, L. Lu, C. Li, C. Li and D. Li, Grain boundaries and lattice defects in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ ceramics	5 (1987) 425
White, W.B., see P.L. Provenzano	5 (1986) 1
Williams, B.G., see P.J. Herley	5 (1987) 333
Wolf, J.D., see P.T. Murray	5 (1987) 250
Wortman, J.J., see M.C. Ozturk	5 (1987) 311
Wright, W.H., see N.K. Kim	5 (1987) 387
Wu, J., Y. Zou and P. Mo, Variation of EL2 in SI LEC GaAs with arsenic pressure during heat treatment	5 (1986) 29
Wu, J., see Y. Zou	5 (1987) 207
Wu, K., see G. Kordas	5 (1987) 417
Wu, N.L. and E. Ruckenstein, The effect of sample preparation on the preferred orientation of polycrystalline $\text{YBa}_2\text{Cu}_3\text{O}_7$	5 (1987) 432
Yakhmi, J.V., see I.K. Gopalakrishnan	5 (1987) 165
Yang, K., see H. Qi	5 (1987) 384
Yang, Z., N. Zhu, X. Jiang, D. Pang, H. Qi, G. Su, Z. Zhang and H. Yu, Bulk superconductivity at 107.6 K in Ba-Y-Cu-O system	5 (1987) 171
Yang, Z., see H. Qi	5 (1987) 384
Yang, Z., see D. Pang	5 (1987) 436
Yokotsuka, T., see S. Ozawa	5 (1987) 439
Yu, H., see Z. Yang	5 (1987) 129
Yu, H., see H. Qi	5 (1987) 171
Yu, Y.-F., see R.S. Bhattacharya	5 (1987) 384
Zhang, J., see J. Zhou	5 (1987) 429
Zhang, J., see Z. Yang	5 (1987) 479
Zhao, X.-A., E. Ma and M.-A. Nicolet, Growth kinetics of NiAl_3 formation on large-grained $\langle \text{Al} \rangle$ substrates	5 (1987) 171
Zhou, J., Y. Lu, L. Li, B. Lu and J. Zhang, Effects of certain growth parameters on hole and electron traps in LPE GaAs	5 (1987) 200
Zhu, N., see Z. Yang	5 (1987) 479
Zhu, N., see H. Qi	5 (1987) 171
Zou, Y., see J. Wu	5 (1987) 384
Zou, Y., A stress-strain model for EL2 on the basis of chemical principles and its applications. I. The model	5 (1986) 29
Zou, Y., G. Wang and J. Wu, A stress-strain model for EL2 on the basis of chemical principles and its applications. II. Applications and discussion	5 (1987) 203
	5 (1987) 207

